

KROMER, K.

Cement plant in Hranice and the experience acquired from its operation. p. 147.
STAVIVO, Praha, Vol. 33, no. 5, May 1955.

SO: Monthly List of East European Accessions, (EZAL), LC, Vol. 4, no. 10, Oct., 1955,
Uncl.

L 18495-66 EWT(b)/EWA(h) RO
ACC NR: AF6010232

SOURCE CODE: CZ/0038/65/000/005/0178/0179

AUTHOR: Kronrad, L.

ORG: Institute of Nuclear Research, CSAV, Rez (Ustav Jaderneho vyzkumu CSAV)

TITLE: Preparation of yperite-S³⁵

SOURCE: Jaderna energie, no. 5, 1965, 178-179

TOPIC TAGS: chlorination, organic sulfur compound, sulfur, radiation chemistry, organic synthetic process, radiation hazard, radioactivity measurement

ABSTRACT: A modified method for preparation of yperite-S³⁵ is described. Reaction of ethylenechlorohydrine with Na₂S³⁵ yields botathio-diglycol -S³⁵. Chlorination of this compound using thionylchloride gives yperite -S³⁵. The preparation may be completed in 8 hours. Counting technique, health hazards, and deactivation process are described. [JIMS]

SUB CODE: 07, 18, 06 / SUBM DATE: none

Card 1/1

UDC: 547.431.6.02: 546.22.02

KRONROD, A.; LISYANSKIY, A.

Rapid assembly-line construction of a block. Stroitel' no.12:7
D '58. (MIRA 12:1)

1. Glavnnyy inzh. Leningradskogo stroitel'nogo tresta No.20
(for Kronrod). 2. Glavnnyy inzh. Upravleniya nachal'nika rabot-
10 Leningradskogo stroitel'nogo tresta No.20 (for Lisyanskiy).
(Leningrad--Apartment houses)

DAVIDSON, M., doktor tekhn.nauk, prof.; GLUKHOVSKOY, K., inzh.; KRONROD, A., inzh.
Using thin layers of plaster under winter conditions in Leningrad.
Stroitel' no.12:10 D '58. (MIRA 12:1)
(Leningrad--Plastering--Cold weather conditions)

GLUKHOVSKOY, K.A.; KRYLOV, N.A.; KRONROD, A.A., inzh., nauchn. red.;
MARKUS, B.M., red.; KUZ'MINA, N.V., tekhn. red.

[Nondestructive methods of testing materials] Nerazru-
shaiushchie metody ispytania materialov; materialy k
Vserossiiskomu soveshchaniyu po prostranstvennym kon-
struktsiyam. Leningrad, Izd. ot-ja tekhn.informatsii tes-
sta "Leningradorgstroi," 1962. 71 p. (MIRA 16:8)

1. Leningrad. Upravleniye po zhilishchnomu i grazhdanskому
stroitel'stvu.

(Nondestructive testing)

GLUKHOVSKOY, K.A., inzh.; KRONROD, A.A., inzh.; BMDIN, N.A., inzh.

Using rammed concrete piles in making foundations for light
buildings and structures. Biul. tekhn.inform. 4 no.9:10-13
S '58.

(Foundations)

(MIRA 11:10)

KRONROD, A.A.; VELIKIN, O.M.

"Rovnoe" Rock Products Plant. Prom.stroi. 37 no.12:18-21
D '59. (MIRA 13:4)

1. Trest No. 2o Glavleningradstroya (for Kronrod). 2. Institut
Gipronemetrud (for Velikin).
(Priozersk District--Sand and gravel plants)

CHEREMSHKINA, N.M., kand.med.nauk; KRONROD, A.P.

Sensitivity of the flora of the upper respiratory tract to antibiotics in children with measles [with summary in English]. Pediatria 36 no.2:58-61 F '58.
(MIRA 11:3)

1. Iz kliniki Detskih bolezney i Moskovskogo ordena Lenina meditsinskogo instituta (dir. - deystvitel'nyy chlen AMN SSSR prof. Yu.F. Dombrovskaya) na base Gorodskoy infektsionnoy bol'niцы No.2 (glavnyy vrach A.M.Pyl'tsova)

(ANTIBIOTICS) (MEASLES)
(RESPIRATORY ORGANS--BACTERIOLOGY)

KRCHOD. A. S.

О структуре множества точек разрывов функций, дифференцируемых в точках
непрерывности, ИАН, сер. матем. (1939), 569-573.

О перестановочности членов числовых рядов. ДАН, 49 (1945), 163-166.

О перестановочности членов числовых рядов. Матем. СП., 13 (60), (1946), 237-280.

О множествах уровня функций многих переменных. ДАН, 58 (1947), 1269-1272.

SO: Mathematics in the USSR, 1917-1947
Edited by Kurosh, A. G.,
Markushevich, A. I.
Rashevskiy, P. K.
Moscow-Leningrad, 1948

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826620019-7

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CIA-RDP86-00513R000826620019-7"

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APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826620019-7"

KRONROD, A.S.

DOC PHYSICOMATH SCI

Dissertation: "Concerning Functions of Two Variables."

22 Jun 49

Moscow Order of Lenin State University imeni M.V. Lomonosov,

SO Vecheryaya Moskva
Sum 71

"APPROVED FOR RELEASE: 06/14/2000

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USSR/Mathematics - Bounded variations

FD-456

Card 1/1 : Pub. 64 - 8/11

Author : Vitushkin, A. G. (Moscow)

Title : Sufficient conditions for the boundedness of the linear variation of
a three-variable function

Periodical : Mat. sbor., 34 (76), 307-322, Mar/Apr 1954

Abstract : Extension of A. S. Kronrod's "Functions of Two variables," Uspekhi mat.
nauk, Volume 5, No 1 (35) (1950), 24-134. Demonstrates 8 theorems
and 7 lemmas on bounded variations of functions of three variables.

Institution :

Submitted : April 15, 1953

KRONROD, A. S., RABOVA, Z. S., and SUKHATCHEVA, N. M.

"Two Problems of Non-Diffusional Calculations for Absorbing Blocks."

paper to be presented at 2nd UN Intl. Conf. on the peaceful uses of Atomic Energy, Geneva, 1 - 13 Sep 58.

GALANIN, Aleksey Dmitriyevich. Prinimali uchastiye: KRONROD, A.S.;
ADEL'SON-VEL'SKIY, G.M., IL'ICHEV, B.I., red.; ANDREYENKO,
Z.D., red.; MAZEL', Ye.I., tekhn.red.

[Theory of nuclear reactors operating with thermal neutrons]
Teoriia iadernykh reaktorov na teplovых neutronakh. Moskva,
Izd-vo Glav.upr.po ispol'sovaniyu atomnoi energii pri Sovete
Ministrov SSSR, 1959. 382 p. (MIRA 12:8)
(Nuclear reactors)

S/006/60/000/010/005/008
B012/B054

AUTHOR: Kronrod, A. S.

TITLE: Considerations on the Project of a New Instruction for
Geodetical Work in Geophysical Prospecting (A Contribution
for Discussion)

PERIODICAL: Geodeziya i kartografiya, 1960, No. 10, pp. 53 - 59

TEXT: This is a review of the instructions now valid for geodetical work in geophysical prospecting. They were approved by the Glavgeofizika MG i ON and the Glavneftegeofizika Ministerstva neftyanoy promyshlennosti SSSR (Glavneftegeofizika of the Ministry of the Petroleum Industry of the USSR) in 1957. The essential shortcoming of these instructions are the data on the maximum errors of coordinates and altitudes of geophysical observation points (Tables on pp. 54, 55). With the aid of these tables, it is shown that it is inconvenient to use them. It is demanded that the new instruction should differ, in principle, from the former ones. The first part of the new instruction should contain general data on the organization of geodetic service in enterprises concerned with geophysical

Card 1/2

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Considerations on the Project of a New S/006/60/000/010/005/008
Instruction for Geodetical Work in Geophysical Prospecting (A Contribution for Discussion) B012/B054

prospecting. It should also give a method of calculating the permissible mean errors of coordinates and altitudes as dependent on the individual factors. It should further specify control methods for field and office work, the preparation of control data, as well as the rights and duties of officials. The second part of the instruction should direct the performance of field and office work. Operations little known to wide circles of cooperators should be described in great detail. The third part should illustrate the preparation of data in field and office work. Patterns of maps and other data should be included. It is pointed out that the former specifications and instructions had been written by authors without any direct contact with producers, and without knowing the actual conditions of work. There is 1 table.

Card 2/2

S/020/60/132/01/24/064
B014/B014

AUTHOR: Kronrod, A.S.

TITLE: A Numerical Solution of the Magnetic Field Equation for Iron,
Which Takes Account of Saturation

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 1, pp. 95-97

TEXT: Equation (1) for the magnetic potential $u(x,y)$ in iron is written down, and equation (4) for finite differences is derived from equation (1) by means of Fig. 1. Equations (5) and (6) which result from this expansion, correspond to the equations of steady heat distribution with a variable coefficient of heat conductivity. As these formulas are unsuited for large gradients, equation (1) is replaced by (1A), by introducing a deceleration, and an algorithm is developed for the numerical solution of this problem. The necessary computations were performed on a Bessonov computer (RVM). There are 3 figures.

ASSOCIATION: Institut eksperimental'noy i teoreticheskoy fiziki Akademii nauk SSSR

Card 1/2

(V)

A Numerical Solution of the Magnetic Field Equation
for Iron, Which Takes Account of Saturation

S/020/60/132/01/24/064
B014/B014

(Institute of Experimental and Theoretical Physics of the Academy
of Sciences of the USSR)

PRESENTED: January 3, 1960, by M.V. Kel'dysh, Academician

SUBMITTED: November 3, 1959



Card 2/2

KRONROD, A.S.

Use of horizontal and vertical control surveys as a geodetic
foundation for gravimetric surveying. Geod.i kart. no.8:63-67
Ag '61. (MIRA 14:10)
(Gravimetry) (Aerial photogrammetry)

KRONROD, A. Sz. [Kronrod, A.S.]; BOGNAR, Janos, a matematikai
tudomanyok Kandidatusa [translator]

Functions with two variables Pt. 2. Mat kozl MTA 13 no.1:
65-104 '63.

KRONROD, A. Sz. [Kronrod, A.S.]; BOGNAR, Janos [translator], a matematikai
tudományok kandidátusa

Functions of two variables. Pt. 3. Mat kozl MTA 13 no.2:179-
223 '63.

KRONROD, Aleksandr Semenovich; GUTER, V.S., red.

[Nodes and weights of quadrature formulas; sixteen-place
tables] Uzly i vesa kvadraturnykh formul; shestnadtsati-
znachnye tablitsy. Moskva, Izd-vo "Nauka," 1964. 143 p.
(MIRA 17:8)

L 4226-56 EIT(m)/EPA(w)-2/EWA(m)-2 IJP(c) GS

ACCESSION NR: AT5007962

S/0000/64/000/000/0906/0911

AUTHOR: Kapchinskiy, I. M.; Kronrod, A. S.

TITLE: Influence of space charge upon phase oscillations of particles in the linear ion accelerator 19

SOURCE: International Conference on High Energy Accelerators. Dubna, 1963. Trudy. Moscow, Atomizdat, 1964, 906-911

TOPIC TAGS: high energy accelerator, ion acceleration, focusing accelerator

ABSTRACT: The application of rigid focusing in linear accelerators with wavelength of the high-frequency field $\lambda = 1.5-2$ meters has created real possibilities for forming proton beams with intensities up to 100 milliamperes per pulse with comparatively small expenditures of power upon focusing. The planning of such accelerators must take into consideration the longitudinal forces of electrostatic repulsion, which lead to deterioration of the conditions of autophasing. The influence of the bunches' own space charge upon the phase oscillations of the particles in linear accelerators has already been studied under the assumption that each bunch represents a uniformly charged ellipsoid (Akhiyezer, A. I.; Lyubarskiy, G.

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L 4728-56

ACCESSION NR: AT5007962

Ya., et al., *Teoriya i raschet lineynykh uokoriteley* [Theory and Design of Linear Accelerators]. Moscow, Gosatomizdat 1962, p. 114; Vlasov, A. D., Nauchn. trudy RAI AN SSSR [Scientific Works of Radiophysics Apparatus Institute, Academy of Sciences SSSR], 2, n. 4, 27 (1960)). It remained unclear how well such an assumption approximates the self-consistent distribution of the charge in the bunch and whether the relations obtained under this assumption corresponds to the actual behavior of the bunches. The solution for the self-consistent longitudinal field of a beam accelerated in a ring machine under the assumption that the length of each bunch exceeds considerably its transverse size was obtained earlier (Nilsen, Sesler, Rev. Sci. Instrum. 30, 80 (1959)). In the initial part, however, of the accelerator (where the influence of the spatial charge is especially considerable) the longitudinal and transverse dimensions of the bunches are commensurable and the simplifying assumption made in the work (Nilsen, cit.) is poorly fulfilled. In the present work the authors have obtained an integral equation for the potential of the self-consistent Coulomb field of the beam, such that the equation is correct for any ratios of the longitudinal and transverse dimensions of the bunches. The work shows that the influence of the spatial charge upon the magnitude of the region of phase stability is considerably weaker than in the case where the bunch is approximated by a uniformly charged ellipsoid. The authors derive the fundamental

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ACCESSION NR: AT5007962

al equations, which are strongly nonlinear, obtain the numerical solution of the integral equation, and discuss the results of the numerical solution in graphical form. Orig. art. has: 7 figures, 23 formulas.

ASSOCIATION: Institut teoreticheskoy i eksperimental'noy fiziki GKAE SSSR (Institute of Theoretical and Experimental Physics, GKAE SSSR)

SUBMITTED: 26May64

ENCL: 00

SUB CODE: NP

NO REF Sov: 003

OTHER: 001

Card 3/3 SP

ACCESSION NR: AP4041008

S/0120/64/000/003/0026/0031

AUTHOR: Kapchinskiy, I. M.; Kronrod, A. S.

TITLE: Effect of the space charge on the phase oscillations of particles in an ionic linear accelerator

SOURCE: Pribory i tekhnika eksperimenta, no. 3, 1964, 26-31

TOPIC TAGS: ionic accelerator, linear accelerator, strong focusing accelerator, space charge effect

ABSTRACT: An integral equation is developed for the potential of a self-consistent Coulomb field of a beam:

$$\alpha\Phi(\phi) = F(\phi) + k \int R(\phi, \alpha) \sqrt{1 - \Phi(\alpha)} d\alpha,$$

where ϕ is the particle phase, k is a dimensionless auxiliary parameter for numerical solution, $\alpha = \omega H_0 \gamma / p_e v_e \Omega_e$. This equation, valid for any relation between the longitudinal and cross dimensions of clusters, is numerically solved with these boundary conditions:

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ACCESSION NR: AP4041008

$$\frac{d\Phi}{d\psi}(\psi_0) = 0; \quad \frac{d^2\Phi}{d\psi^2}(\psi_0) < 0. \quad \Phi(\psi_0) = 1; \quad \Phi(\psi_n) = 1.$$

The effect of the maximum cluster current upon the phase-stability region, phase-oscillation frequency, mean cluster current, and other parameters is evaluated. A phase-density distribution is considered when the clusters do not pulsate. The beam current limitation due to longitudinal disaggregation is compared with that due to cross disaggregation in a strong-focusing accelerator. It is found that the effect of the space charge upon the phase-stability region is weaker than in the case when the cluster is approximated by a uniformly charged ellipsoid. Orig. art. has: 7 figures and 25 formulas.

ASSOCIATION: Institut teoreticheskoy i eksperimental'noy fiziki GKAE
(Institute of Theoretical and Experimental Physics, GKAE)

SUBMITTED: 03Jul63

ATD PRESS: 3079

ENCL: 00

SUB CODE: NP

NO REF Sov: 003

OTHER: 001

Card 2/2

ACCESSION NR: AP4012077

8/0020/64/154/002/0283/0286

AUTHOR: Kronrod, A.S.

TITLE: Integration with accuracy control

SOURCE: AN SSSR. Doklady*, v. 154, no. 2, 1964, 283-286

TOPIC TAGS: integration, accuracy control, quadrature, computer integration, Gaussian quadrature

ABSTRACT: For integrating $f(x)$ at $\langle -1, +1 \rangle$, the following form of quadrature were examined: $A(f) = C_1 f(x_1) + \dots + C_n f(x_n)$ ($x_1 \neq x_k$ with $i \neq k$). The relative errors are given for G_p and

K_p of the Gaussian and other more accurately defined quadratures, which errors were found during calculation of the integral from x^p at $\langle -1, +1 \rangle$ for the first even p , for which quadratures G_n and K_n have already proved inaccurate. All calculations were conducted by computer at Institute teoreticheskoy i eksperimental'noy fiziki (Institute of Theoretical and Experimental Physics). Programs were used from Biblioteki dal'nevo plavaniya A.B. Uskova (A.V. Uskov)

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ACCESSION NR: AP4012077

library of long range navigation) and Biblioteki tselykh chisel A. Zhivotovskovo i V. Prussa (A. Zhivotovskiy and V. Pruss library of integrals). Comparison of corresponding remainder terms $G_p^{(2n+1)}$ and $K_p^{(n)}$ of the Gaussian and other more accurately defined quadratures (for example $G_{30}^{(5)}$, $G_{32}^{(5)}$, $G_{34}^{(5)}$ and $K_{30}^{(7)}$, $K_{32}^{(7)}$, $K_{34}^{(7)}$) indicate that if the accuracy of integration needed is not very high, then the more accurately defined quadrature is not much better than the Gaussian quadrature of the same value. Orig. art. has: 4 tables, 5 equations.

ASSOCIATION: Institut teoreticheskoy i eksperimental'noy fiziki (Institute of Theoretical and Experimental Physics); Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii (State Committee for the Utilization of Atomic Energy)

SUBMITTED: 08Jul63

DATE ACQ: 14Feb64

ENCL: 00

SUB CODE: MM

NO REF SOV: 000

OTHER: 000

Card 2/2

ACCESSION NR: AP4013321

S/0020/64/154/003/0545/0548

AUTHORS: Adel'son-Ver'skij, G.M.; Brudno, A.L.; Kronrod, A.S.; Reznikovskiy, P.

TITLE: Instruction code for a three-address machine without an address register

SOURCE: AN. SSSR. Doklady#, v.154, no.3, 1964, 545-548

TOPIC TAGS: instruction code, order code, three address instruction, three address machine, address register, base register, B box, B line, indexing register, computer

ABSTRACT: Complete instructions for setting up an instruction code for a machine with 4096 storage cells containing 43 word columns is given. A complete code table is included. Orig. art. has: 1 table.

ASSOCIATION: Institut teoreticheskoy i ekperimental'noy fiziki Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii (Institute of Theoretical and Experimental Physics of the State Committee for Use of

Card: 1/2

ACCESSION NR: AP4013321

Atomic Energy); Institut elektronnykh upravyayushchikh mashin (Institute of Electronic Control Machinery); Tsentral'nyy nauchno-issledovatel'skiy institut kompleksnoy automatizatsii (Central Scientific Research Institute for Complex Automation)

SUBMITTED: 08Jul63 DATE ACQ: 26Feb64 ENCL: 00

SUB CODE: CG, MM NR REF Sov: 000 OTHER: 000

Card 2/2

ACC NR: AP6036835

SOURCE CODE: UR/0020/66/171/002/0299/0301

AUTHOR: Arlazarov, V. L.; Kronrod, A. S.; Kronrod, V. A.

ORG: Institute of Theoretical and Experimental Physics (Institut teoreticheskoy i eksperimental'noy fiziki)

TITLE: A new type of electronic computers

SOURCE: AN SSSR. Doklady, v. 171, no. 2, 1966, 299-301

TOPIC TAGS: ~~electronic computer, computer output unit, transistor, computer storage device,~~
~~single address computer, double address computer, triple address computer,~~
~~computer memory, computer programming, logic design, pattern recognition / BESM-6~~
~~single address computer, Minsk double address computer, BESM-3m triple address computer~~ABSTRACT: A series of comments on the current state and future prospects of computers is presented. Thus, the currently slow readout of words from the memory (at least 10^{-6} sec for the best ferrite-core specimens) restricts the operating speed of the machine, whereas modern transistors make it possible to perform operations several times as quickly and the application of the cascade principle of N. I. Bessonov may accelerate the performance of arithmetic operations by a factor of 5-10. If the number of index registers is large, address substitution

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UDC: 519.95

ACC NR: AP6036835

of instructions is not required; experience in operating the BESM-6 computer, which includes 15₁₀ index registers, showed that operations with instructions in this machine are virtually unnecessary. A major approach toward markedly increasing the operating speed of computers is represented by the development of a separate program-storage element admitting rapid readout. In general, the division of memory into "numerical" (active) and "program" (semi-active) admits different cell arrays in these elements. Further, operating experience with single- (BESM-6), double- (Minsk) and triple- (M-2, M-20, BESM-3m) address computers shows that triple-address machines substantially reduce the expenditure of time and effort by the mathematician, sharply increasing the overall productivity of the man-machine system. Hence the conversion (or return) to triple-address machines is highly desirable. The instruction system of Soviet series-built computers (at least of the triple-address computers) is obsolete, and the ways and means of updating it should be discussed in the press. N. I. Bessonov's commutator should be incorporated in any large computer, since the slight additional expense involved is more than offset by the increased rapidity of shifts, acceleration of addition and facilitation of intricate logic operations. The number of instructions absolutely must include all the elementary machine operations such as transfer from register to register and logic addition (multiplication) without resorting to the ferrite-core memory. This will make possible the direct programming of new machine operations without readjusting the machine.

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ACC-NR: AP6036835

and, in the presence of a fast instruction memory, replace microprogramming. On the other hand, microprogramming -- in the presence of at least ten fast registers -- speeds up operations by a factor of 8-10 with respect to such noncomputational and increasingly important problems as theory of games, logic, pattern recognition, etc.

[16]

SUB CODE: 09 / SUBM DATE: 18Jun66 / ORIG REF: 001

Card 3/3

TIMOFYEVA, N.I. (Moskva, Gogolevskiy bul'var, 8, kv.36); KRONROD, B.A.

Penetration of a gastric ulcer into the left cardiac ventricle.
Grud. khir. 2 no.3:100-102 My-Je '60. (MIRA 15:3)

1. Iz kafedry khirurgicheskikh bolezney (zav. - prof. P.L. Sel'tsovskiy) Moskovskogo meditsinskogo stomatologicheskogo instituta i patologoanatomicheskogo otdeleniya (zav. L.O. Paleyes) bol'nitsy No.33 imeni A.A. Ostrcumova.
(STOMACH--ULCERS) (HEART--SURGERY)

KRONROD, B.A.

Changes in the pancreas in elderly persons. Trudy Dush. med.
inst. 57 no. 2:79-99'62. (MIRA 16:10)

1. Iz patologoanatomiceskogo otdeleniya Moskovskoy klinicheskoy bol'nitsy No. 33 imeni prof. A.A.Ostroumova. Nauchnyy rukovoditel' deystvitel'nyy chlen AMN SSSR prof. L.M.Shabad. (PANCREAS — AGING)

BRISKIN, B.S.; KRONROD, B.A.

УССР

Metastasizing pheochromoblastomas. Vest.khir. no.6:94-96 '62.

(MIRA 15:11)

1. Iz kliniki khirurgicheskikh bolezney (zav. - prof. P.L. Sel'tsovskiy [deceased]) Moskovskogo meditsinskogo stomatologicheskogo instituta i patologoanatomiceskogo otdelaniya №11-nyitsy No.33 im. A.A. Ostrobojova (gl. vrach - P.V. Abashkina).
(CHROMAFFIN SYSTEM--TUMORS)

BELICHENKO, I.A.; KRONROD, B.A.

Role of liver biopsy in surgery of the biliary tract.
Khirurgiia no.3:74-81 '63. (MIRA 16:5)

1. Iz kliniki khirurgicheskikh bolezney (zav.-zasluzhennyy deyatel' nauki prof. P.L.Sel'tsovskiy) [deceased] Moskovskogo meditsinskogo stomatologicheskogo instituta, khirurgicheskogo i patologicheskogo otdeleniya Moskovskoy gorodskoy bol'nitsy No.33 imeni A.A.Ostroumova (glavnyy vrach P.V.Abashkina).
(LIVER—BIOPSY) (BILIARY TRACT—SURGERY)

SHEKHTER, I.A., prof.; RABUKHINA, N.A., kand.med.nauk; KRONROD, B.A.
(Moskva)

X-ray diagnosis of calcifications of the coronary arteries.
Klin.med. no.1:58-62 '62. (MIRA 15:1)

1. Iz rentgenologicheskogo otdela (zav. - prof. I.A. Shekhter)
Gosudarstvennogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta (dir. - prof. I.G. Legunova) Ministerstva zdravookhraneniya RSFSR i gorodskoy klinicheskoy bol'nitsy No.33
imeni Ostroumova (glavnnyy vrach P.V. Abashkina).
(CORONARY VESSELS—CALCIFICATION) (DIAGNOSIS, RADIOSCOPIC)

BRISKIN, B.S. (Moskva, A - 30, Seleznovskaya ul., 13, kv. 29); KRONROD, B.A.

Characteristics of metastasis of stomach cancer in relation
to localization of the tumor. Vop. onk. 9 no.11:45-50 '63.

(MIRA 18:2)

1. Iz kliniki khirurgicheskikh bolezney (zav.- prof. N.I. Makhov)
Moskovskogo meditsinskogo stomatologicheskogo instituta i
patologoanatomiceskogo otdeleniya bol'nitsy No.33 imeni Ostroumova
(glavnnyy vrach - P.V. Abashkina), Moskva.

MARINOV, L. ...

"The Numerical Approximate Methods of Integrating Differential Equations of the First Order." Cand. Phys.-Math. Sci., Moscow G. I. Last Pedagogical Inst., Moscow, 1953.
Dissertation (Referativnyy Zhurnal--Matematika Moscow Feb. 54)

CC: SDR 170, 19 Aug 1984

L 13005-66 E.M(1) IJP(c)
ACC NR: AF6001636

SOURCE CODE: UR/0051/65/019/006/0871/0873

75
44
B

AUTHOR: Zhirnov, N. I.; Kronrod, L. A.

ORG: none

TITLE: Quasiclassical wave functions for a Morse oscillator and their use in calculating Franck-Condon factors. III. Approximate calculation of Franck-Condon factors on a computer

SOURCE: Optika i spektroskopiya, v. 19, no. 6, 1965, 871-873

TOPIC TAGS: oscillator theory, harmonic oscillator, molecular physics, computer application calculation, wave function

ABSTRACT: An expression is derived for Franck-Condon factors by substituting oscillatory wave functions previously calculated by the Wentzel-Kramers-Brillouin method (N. I. Zhirnov, Opt. I Spektr., 15, 166, 1963) in the formula for electron-vibrational transitions in a diatomic molecule. The resultant integrals are calculated on an electronic computer with a relative accuracy of 10^{-7} . The computer program is described. The system was used for calculating the Franck-Condon factors for a

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UDC: 539.192

L 13005-66
ACC NR: AP6001636

number of progressions of the second infrared band system in the CaO molecule. The results are compared with those obtained by numerical integration. Agreement is generally satisfactory and the exceptions are discussed. The authors take this occasion to thank F. S. Ortenberg for discussing the work. Orig. art. has: 1 table, 3 formulas.

SUB CODE: 20/ SUBM DATE: 29Oct64/ ORIG REF: 003/ OTH REF: 002

jrn

Card 2/2

KRONRAD, Leo

Chemical state of the J^{131} in tellurium compounds irradiated by neutrons. Jaderna energie 9 no.10:329 '63.

1. Ustav jaderneho vyzkumu, Ceskoslovenska akademie ved, Rez u Prahy.

KRONROD, L.L., inzh., red.; PEVZNER, A.S., red. izd-va; TOKER, A.M., tekhn.
red.

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In force as of 1 January, 1958] Spravochnik ukrupnennykh pokazatelei
stoimosti proektnykh i issykhatel'skikh rabot. Vvoditsia v deistvie
s 1 janvaria 1958 g. Pt.24. [Automobile roads. Municipal transpor-
tation] Avtomobil'nye dorogi. Gorodskoi transport. Moskva, Gos.
izd-vo lit-ry po stroit. i arkhit. 1958. 42 p. (MIRA 11:8)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
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BABKOV, V.P., BELEN'KIY, I.I., BIRULYA, A.K., prof. doktor tekhn. nauk.;
BIRULYA, V.I., DADENKOV, Yu. N., ZAMAKHAYEV, M.S., KAZANSKIY, K.A., ,
KHODROD, L.L., KUDRYAVTSEV, A.S., TERENETSKIY, K.S., MAL'KOVA,
N.V., tekhn. red.

[Handbook for road construction engineers; planning highways]
Spravochnik inzhenera-dorozhnika; proektirovaniye avtomobil'nykh
dorog. Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry, 1958. 438 p.
(MIRA 11:10)
(Roads)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826620019-7

1



APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826620019-7"

ACC NR: AP6036835

SOURCE CODE: UR/0020/66/171/002/0299/0301

AUTHOR: Arlazarov, V. L.; Kronrod, A. S.; Kronrod, V. A.

ORG: Institute of Theoretical and Experimental Physics (Institut teoreticheskoy i eksperimental'noy fiziki)

TITLE: A new type of electronic computers

SOURCE: AN SSSR. Doklady, v. 171, no. 2, 1966, 299-301

TOPIC TAGS: ~~electronic computer, computer output unit, transistor, computer storage device,~~
~~single address computer, double address computer, triple address computer,~~
~~computer memory, computer programming, logic design, pattern recognition / BESM-6~~
~~single address computer, Minsk double address computer, BESM-3m triple address computer~~ABSTRACT: A series of comments on the current state and future prospects of computers is presented. Thus, the currently slow readout of words from the memory (at least 10^{-6} sec for the best ferrite-core specimens) restricts the operating speed of the machine, whereas modern transistors make it possible to perform operations several times as quickly and the application of the cascade principle of N. I. Bessonov may accelerate the performance of arithmetic operations by a factor of 5-10. If the number of index registers is large, address substitution

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UDC: 519.95

ACC NR: AP6036835

of instructions is not required; experience in operating the BESM-6 computer, which includes 15₁₀ index registers, showed that operations with instructions in this machine are virtually unnecessary. A major approach toward markedly increasing the operating speed of computers is represented by the development of a separate program-storage element admitting rapid readout. In general, the division of memory into "numerical" (active) and "program" (semi-active) admits different cell arrays in these elements. Further, operating experience with single- (BESM-6), double- (Minsk) and triple- (M-2, M-20, BESM-3m) address computers shows that triple-address machines substantially reduce the expenditure of time and effort by the mathematician, sharply increasing the overall productivity of the man-machine system. Hence the conversion (or return) to triple-address machines is highly desirable. The instruction system of Soviet series-built computers (at least of the triple-address computers) is obsolete, and the ways and means of updating it should be discussed in the press. N. I. Bessonov's commutator should be incorporated in any large computer, since the slight additional expense involved is more than offset by the increased rapidity of shifts, acceleration of addition and facilitation of intricate logic operations. The number of instructions absolutely must include all the elementary machine operations such as transfer from register to register and logic addition (multiplication) without resorting to the ferrite-core memory. This will make possible the direct programming of new machine operations without readjusting the machine.

Card 2/3

ACC NR: AP6036835

and, in the presence of a fast instruction memory, replace microprogramming. On the other hand, micropogramming -- in the presence of at least ten fast registers -- speeds up operations by a factor of 8-10 with respect to such noncomputational and increasingly important problems as theory of games, logic, pattern recognition, etc.

[16]

SUB CODE: 09 / SUBM DATE: 18Jun66/ ORIG REF: 001

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189 p. tables.

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So: N/5

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[Principles of economic accountability applied to socialist industry]
Osnovy khoziaistvennogo rascheta na primere tsocialisticheskoy pro-
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KAROVON, V. A.

Osnovy khoz-i-stvennogo ra-schetov [Fundamentals of accounting]. Moscow, Gosfinizdat, 1952. 24' p.

SO: Monthly List of Russian Accessions, Vol. 6, No. 2, May 1953

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KRONROD, Ya. A.

"Sotsialisticheskoye Vospriozvodstvo," published in 1955

D 476442

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The law of value and the problem of price formation in the
U.S.S.R. Vop.ekon. no.2:79-93 p '57.
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E.Ya.; VYHTSMAN, N.R.; VIKENT'YEV, A.I.; GAL'TSOV, A.D.; GERTSOVSKAYA,
B.R.; GLADKOV, I.A.; DVORKIN, I.N.; DRAGILEV, M.S.; YEFIMOV, A.N.;
ZHANIN, V.A.; ZHUK, I.N.; ZANYATNIN, V.N.; IGNAT'YEV, D.I.; IL'IN,
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KATS, A.I.; KLIMOV, A.G.; KOZLOV, G.A.; KOLGANOV, M.V.; KONTOROVICH,
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LOOOVINSKAYA, R.L.; LYUBOSHITS, L.I.; MALYSH, A.I.; MNZHINSKIY,
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A.I.; PARTIGUL, S.P.; PIRVUSHIN, S.P.; PIROV, A.I.; PETRUSHOV, A.M.;
PODGORNIOVA, V.M.; RABINOVICH, M.A.; RYVKIN, S.S.; RYUDINA, M.N.;
SAKSAGANSKIY, T.D.; SAMSONOV, L.N.; SMEKHOV, B.M.; SOKOLIKHIN, S.I.;
SOLIERTINSKAYA, Ye.I.; SUDARIKOV, A.A.; TATAR, S.K.; TERENT'YEV,
P.V.; TYAGAY, Yo.Ya.; YEGORIN, Ya.G.; FIGURNOV, P.K.; FRUMKIN, A.B.;
TSYRLIN, L.M.; SHAMBORG, V.M.; SHAPIRO, A.I.; SHCHENKOV, S.A.;
SYDEL'MAN, B.I.; XKHIN, P.E.; MITROFANOVA, S., red.; TROYANOVSKAYA, N.,
tekhn.red.

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Moskva, Gos.izd-vo polit.lit-ry, 1958. 391 p. (MIRA 11:?)
(Economics--Dictionaries)

PHASE I BOOK EXPLOITATION 1182

Akademiya nauk SSSR. Institut ekonomiki

Voprosy sotsialisticheskogo vosproizvodstva (Problems of Socialist Capital Formation) Moscow, Izd-vo AN SSSR, 1958. 414 p. 7,000 copies printed.

Resp. Ed.: Kronrod, Ya. A., Doctor of Economic Sciences; Ed. of Publishing House: Shenkman, B.I.; Tech. Ed.: Guseva, I.N.

PURPOSE: This collection of articles dealing with various aspects of capital formation is intended for Soviet economists.

COVERAGE: The book contains articles dealing with capital formation, relatively little publicized in Soviet economic literature. This subject is of interest because of the methodology discussed and the articles are considered by the authors as being of value to studies on national economic planning. There are no references.

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Commodity production under socialism. Vop.ekon. no.10:103-116
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KRONROD, Ya. A., doktor ekonom.nauk, red.; SHAMBERG, V.M., kand.ekonom.
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Zakon stoimosti i ego ispol'sovaniye v narodnom khoziaistve SSSR.
Pod red. I.A.A.Kronroda. Moskva, Gos.izd-vo polit.lit-ry, 1959.
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1. Akademiya nauk SSSR. Institut ekonomiki. 2. Institut ekonomiki
AN SSSR (for Kronrod).

(Cost)

KRONROD, Ya.

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the means of production. Vop.ekon. no.9:14-28 S '59.
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Functions of money in a socialist economy. Don. 1 kred. 17
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[Money in a socialist society; theoretical studies] Den'gi
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(MIRA 13:1)

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no.10:83-100 0 '60. (MIRA 13:9)
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KRONROD, Ya. A.

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 12. Nauchno-issledovatel'skiy institut (for Kats).
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 14. Nauchno-issledovatel'skiy institut (for Bregel').
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Vop. ekon. no.6:57-143 Je '62.

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(for Rozenman). 14. Armyanskiy sel'skokhozyaystvennyy institut
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Novikov). 16. Chlen-korrespondent Akademii nauk SSSR, glavnyy
redaktor zhurnala "Voprosy ekonomiki" (for Gatovskiy).
(Economics---Study and teaching)

TRAKHTENBERG, Iosif Adol'fovich, akademik; ANIKIN, A.V., kand. ekon. nauk,
otv. red.; ARZUMANOV, A.A., akademik, red.; BREGEL', E.Ya.,
doktor ekon. nauk, red.; KRONROD, Ya.A., doktor ekon. nauk, red.;
MENDEL'SON, L.A., doktor ekon. nauk, red. [deceased]; SHENAYEV,
V.N., kand. ekon. nauk, red.; KOLOSOVA, T.A., mladshiy nauchnyy
sotr., red.; TOVMOSYAN, M.Ye., red.izd-va; KASHINA, P.S., tekhn.
red.

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RACHINSKIY, S.V., kand.med.nauk; RUDOV, N.M., kand.med.nauk; KRONSHTADSKAYA-
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Discovery of Koch's bacillus in the gastric lavage waters from
young children with tuberculosis. Probl.tub. 36 no.7:75-79
'58. (MIRA 12:8)

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Instituta pediatrii AMN SSSR (dir. - chlen-korrespondent AMN
SSSR prof.O.D.Sokolova-Ponomareva) i dispensernogo otdeleniya
(zav. - prof.M.I.Oyfebach) Instituta tuberkuleza AMN SSSR (dir.
Z.A.Lebedeva).

(TUBERCULOSIS)

FATEYEVA, Ye.M.; GINZBURG, M.B.; LARSKIY, E.G.; KRONSHTADTSKAYA-KAREVA, B.K.

Indications of nonspecific immunity in children in chronic nutrition
disorders of varying etiology. Vop.okh.mat.i det. 7 no.4:47-52 Ap
'62. (MIRA 15:11)

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TSimbler) biokhimicheskoy laboratorii (zav. - prof. A.A.Titayev)
i mikrobiologicheskoy laboratorii (rukoveditel' - starshiy
nauchnyy sotrudnik Ye.K.Miyeserova) Instituta pediatrii AMN SSSR.
(CHILDREN—NUTRITION) (IMMUNITY)

8/117/63/000/002/003/006
A004/A101

AUTHOR:

Kronshtofik, S.

TITLE:

Temperature regulator

PERIODICAL: Mashinostroitel', no. 2, 1963, 17

TEXT: To maintain the liquid temperature in a range of from -20 to +180°C, the type PT (RT) devices have been developed. They are proportional regulators of continuous action which are widely used in various industrial equipment. The regulator consists of the liquid manometric thermosystem and the regulating valve. Both units are connected by means of a distance pipe. The main advantages of the devices are: wide adjustment range, operation independent of the surrounding temperature, no stuffing boxes, small overall dimensions and low weight. The length of the distance pipe amounts to 16 m. The diameter of the nominal passage amounts to 25, 40 and 50 mm. ✓

Card 1/1

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Lowering the specific weight of electric peat-laying machines
for working wet top deposits. Torf.prom. 32 no.3:13-14 '55.

1. Torfopredpriyatiye "Oster"
(Peat machinery)

ZHUROV, Ye.G.; KRONSHTOFIK, S.P.

Improvement of the BEM-2 machine. Terf.prom. 32 no.8:28 '55.
(Peat machinery) (MLRA 9:4)

KRONSHTOPIK, S.P., inzh.

Passability of electric peat-spreading machines over the upper
portion of peat deposit having a surface layer with a deformation.
Torf. prom. 36 no. 7:28-30 '59.
(MIRA 13:3)

I.Smolenskiy sovnarkhoz.
(Oster (Smolensk Province--Peat machinery))

~~CONFIDENTIAL - FO~~

Forests and Forestry

High-climbing pine cone gatherers, Les i step' №. 3, 1952

Monthly List of Russian Accessions, Library of Congress, July 1952.
Unclassified.

KROMSKOV, Ye.

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Forestry Research

At a pine forest experimental station. Les i step' No. 4, 1952.

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"The Physician, his Patient, and the Disease - by Balint Mihaly, M.D."

Budapest, Magyar Pszichológiai Szemle, Vol 19, No 3, 1962, pp. 379-381.

Abstract: This article is a review of the book entitled "The Physician, his Patient, and the Disease" (Az Orvos, a Beteg, és a Betegek) by FALINT, Mihaly, M.D., published by the Publishing House of the Academy (Akademiai Kiado) in Budapest, 1961. The book has 399 pages; price is not given.

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